## 82" Professional LCD Display

RS232C In-Out
A smart sensor that automatically saves energy.
Reliable, durable and dust-resistant.
Save money, save space with built-in speakers.

Display your message in the biggest way. The Samsung 820DXn-2 is 82” large with a dynamic contrast ratio of 2500 : 1. That means that whether you’re trying to reach people in an airline terminal, retail showroom or hotel lobby, you’ll always succeed. With this LCD display images are sharp, vivid and simply breathtaking. And with MagicInfo™ , you can save time by easily controlling multiple displays remotely

### RS232C In-Out

RS232C, a standard of serial communication, is used for the communication between PC and displays. Therefore, A Multiple Display Control (MDC), helping various displays to be easily and simultaneously operated on PC, is possible with RS232C function.

### A smart sensor that automatically saves energy.

Stop worrying about the lighting conditions affecting your display. This Samsung LFD adjusts its brightness levels as ambient light changes so your images are always crystal-clear. And while it compensates for low-light and high-light environments, you’ll save energy and stay eco-friendly.

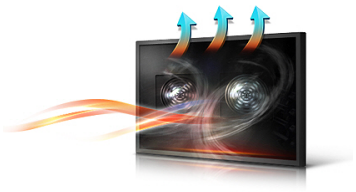
### Reliable, durable and dust-resistant.

Introducing a monitor that was built to stand the test of time- and dust. This Samsung LFD is durable and dust-resistant. Corner-sealing design, double-layer structure, and screw and user hole sealing add to its ruggedness. Make sure dirt and dust don’t stand in the way of getting your message out.

### Save money, save space with built-in speakers.

Maximize your impact with a great picture and crisp audio. Your message will be heard loud and clear with built-in speakers. You’ll save money when you eliminate the cost of purchasing separate speakers, and you’ll save valuable space as well.

### A cool way to ensure longevity.



Enjoy continuous, reliable operation thanks to a built-in fan control. Housed inside of the LFD, the fan guarantees you can count on it for years to come without worrying about it overheating. You can even control the fan with an easy-to-use on screen display.

### Brighter lights, better picture.

With an intensely illuminated DID panel your message is always in the spotlight. Its high brightness and contrast level make the screen clear and readable in public. In fact, on average it's 1.5 times as bright as TV screens. Plus with a low operating temperature this Samsung LFD will be completely reliable for years to come.

### Choose the right view, landscape or portrait.

This Samsung LFD gives you the flexibility to display your image vertically or horizontally-whatever the situation calls for. With a pivot function that rotates the screen 90degrees and the freedom to display presentations in portrait mode or advertisements in landscape mode, this makes for one versatile monitor.

### Stay in the loop with DVI-out.

Enjoy superior picture quality with a DVI-out interface that lets you share content between multiple LFDs thanks to an easier-to-connect video matrix. LFDs used to have to be connected to the PC individually, but digital loop out allows you to connect them without connecting to a PC. Better yet, the digital loop out produces a single image without any loss of quality, and there's no need for a separate video signal distributor. It's easy to install and the most cost-effective way to connect multiple displays.

### Twice the information, double the impact.

Whether your presentation requires a picture-in-picture configuration or a picture-by-picture arrangement, this Samsung LFD makes it possible. When one image just isn't enough, two video signals can be viewed simultaneously for maximum impact.

### An innovative solution with easy access.

Samsung's network management software features two types: a Wan/Lan-based for local access and a web-based software accessible anywhere. MagicInfo™ lets you access your server and LFDs everywhere in the world. This optimized Samsung software solution lets you manage multiple Samsung LFDs remotely. Best yet, uploading, creating, monitoring and controlling content is more convenient and less time-consuming.

### No separate PCs. No jumbled wires.

Control multiple monitors without having to install and run wires to a separate PC. This Samsung LFD features a powerful built-in PC. Its optional multi-network solution-purchased separately-is easy to configure through a LAN, easy to manage through server-side software, and cost-

### A screen that won't shatter your digital dreams. (option)

When a monitor is displayed in public areas, things can happen. That's why our LFD offers a specially-designed, optional protection glass. Scratch resistant and shatter-proof, it shields the panel's surface from any damage so you can use it

effective to run. And with optimized CPU, RAM and storage, you'll have everything you need to get your message across effectively.

for years to come.

| | | | |
|---|---|---|---|
| **Panel** | **Diagonal Size** | 82" | |
| | **Type** | S-PVA (DID) | |
| | **Resolution** | WXGA 1920 x 1080 (16 : 9) | |
| | **Pixel Pitch(mm)** | 0.9405 (H) x 0.9405 (V) | |
| | **Active Display Area(mm)** | 1805.76 (H) x 1015.74 (V) | |
| | **Brightness(Typ.)** | 600cd/m² | |
| | **Contrast Ratio** | 2000 : 1 | |
| | **Viewing Angle(H/V)** | 178° / 178° | |
| | **Response Time(G-to-G)** | 8ms | |
| | **Display Colours** | 8 bit - 16.7M | |
| | **Colour Gamut** | 72% | |
| **Display** | **Dynamic C/R** | 2500 : 1 | |
| | **H-Scanning Frequency** | 30 kHz ~ 81 kHz | |
| | **V-Scanning Frequency** | 56 Hz ~ 85 Hz | |
| | **Maximum Pixel Frequency** | 148.5 MHz | |
| **Connectivity** | **Input** | **RGB** | Analog D-SUB, DVI-D |
| | | **Video** | CVBS, Component, BNC, HDMI |
| | | **Audio** | RCA (L/R), Stereo mini Jack |
| | **Output** | **RGB** | DVI-D (Loop-out) |
| | | **Video** | BNC |
| | | **Audio** | Stereo mini Jack |
| | **External Control** | RS232C (in / out) | |
| **Power** | **Type** | Internal | |
| | **Power Supply** | AC 100 - 240 V ~ ( + / - 10%), 50 / 60 Hz | |
| | **Power Consumption** | **On Mode** | 1 kW (Max) / 930 (Typ) |
| | | **Sleep Mode** | less than 5 W |
| | | **Off Mode** | Less than 5 W |
| **Mechanical Spec** | **Dimension (mm)** | **Set** | 1915 x 1126 x 143 |
| | | **Package** | 2095 x 1488 x 618 |
| | **Weight (kg)** | **Set** | 119 |
| | | **Package** | 154 |
| | **VESA Mount** | 1400 x 800, 900 x 800 mm | |
| | **Protection Glass** | Optional | |

| | | | |
|---|---|---|---|
| | **Media Player Option Type** | Internal | |
| **Operation** | **Operating temperature:** | 10°C ~ 40°C | |
| | **Humidity** | 10 ~ 80% | |
| **Feature** | **Special** | Lamp Error Detection, Anti Retention, Brightness Sensor, Temperature Sensor, Built-In Fan Control, RS232C MDC, Built in Speaker (15 W + 15 W), Plug and Play (DDC2B, DDC / CI), PIP / PBP, Video Wall (5 x 5), Pivot Display, Button Lock, Digital Daisy Chain, Magicinfo Pro, Windows XP embedded | |
| **Certification** | **Safety** | UL (USA) : UL 60950-1 CSA (Canada) : CSA C22.2 No. 60950-1 TUV (Germany) : EN60950-1NEMKO (Norway) : EN60950-1 KC (Korea) : K60950-1 CCC (China) : GB 4943-2001PSB (Singapore) : IEC60950-1GOST (Russia) : IEC60950-1, EN55022SIQ (Slovenia) : IEC60950-1, EN55022PCBC (Poland) : IEC60590-1, EN55022NOM (Mexico) : NOM-019-SCFI-1993IRAM (Argentina) : IEC60950-1SASO (Saudi Arabia) : IEC60950-1 | |
| | **EMC** | FCC (USA)  FCC Part 15, Subpart B class ACE (Europe) EN55022, EN55024VCCI (Japan) V-3 (CISPR22) KCC (Korea) : KN22, KN24BSMI (Taiwan) : CNS13438 (CISPR22) C-Tick (Australia) : AS / NZS3548 (CISPR22) CCC (China) : GB 9254-2008, GB 17625.1-2003 | |
| **Accessories** | **Included** | Quick Setup Guide, Warranty Card, Application CD, D-Sub cable, Power Cord, Remote Controller, Batteries, BNC to RCA Jack (3EA) | |
| | **Optional** | **Mount** | WMN8270D, VMN8270D |
| **Media Player** | **CPU** | Athlon X2 Dual-Core 4450e (2.3 GHz) | |
| | **N/B** | AMD RS780 | |
| | **S/B** | AMD SB700 | |
| | **GPU** | AMD RS780 (IGP) | |
| | **FDM/HDD** | HDD 40 GB | |
| | **Memory** | DDR2 1 GB | |
| | **Ethernet** | Marvell 88E8055 Gigabit LAN | |
| | **Connectivity** | **USB** | 4 EA |
| | | **Output** | D-SUB (RGB OUT) |
| | | **Others** | LAN RJ45 |

Copyright@ 2007 SAMSUNG. ALL rights reserved